



#10

PATENT  
Docket No.: 2283/201

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Margret Maria Sauter et al.

Serial No. : 09/785,738

Cnfrm. No. : 3348

Filed : February 16, 2001

For : ALTERATION OF GROWTH AND  
ADAPTATION UNDER HYPOXIC  
CONDITIONS

Examiner:

Art Unit:

## SUBMISSION OF SUBSTITUTE DRAWINGS

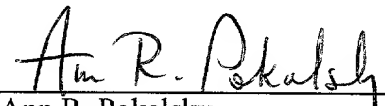
Assistant Commissioner for Patents  
Washington, D.C. 20231  
**Box: Missing Parts**

Dear Sir:

As requested in the Notice to File Missing Parts mailed March 19, 2001, enclosed for filing in the above-identified application are 10 sheets of substitute drawings.

Respectfully submitted,

Date: May 18, 2001

  
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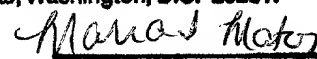
  
Maria L. Matos

Fig. 1

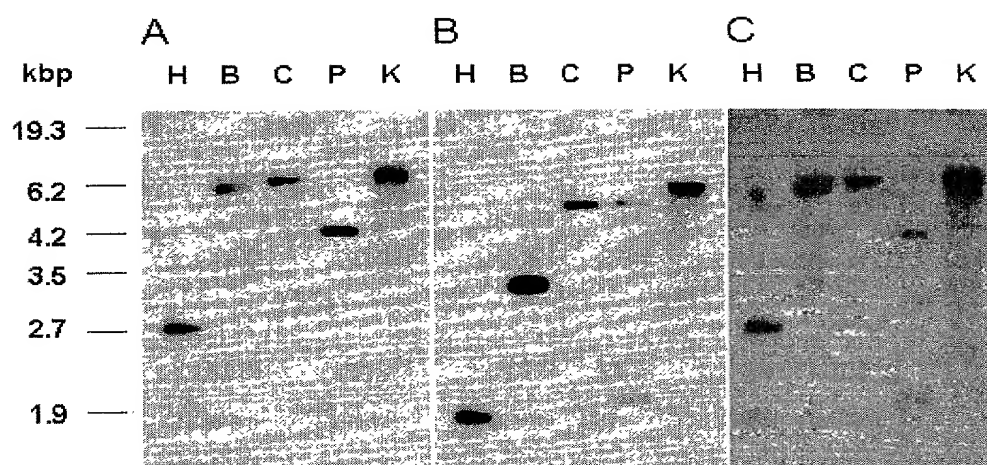


Fig. 2

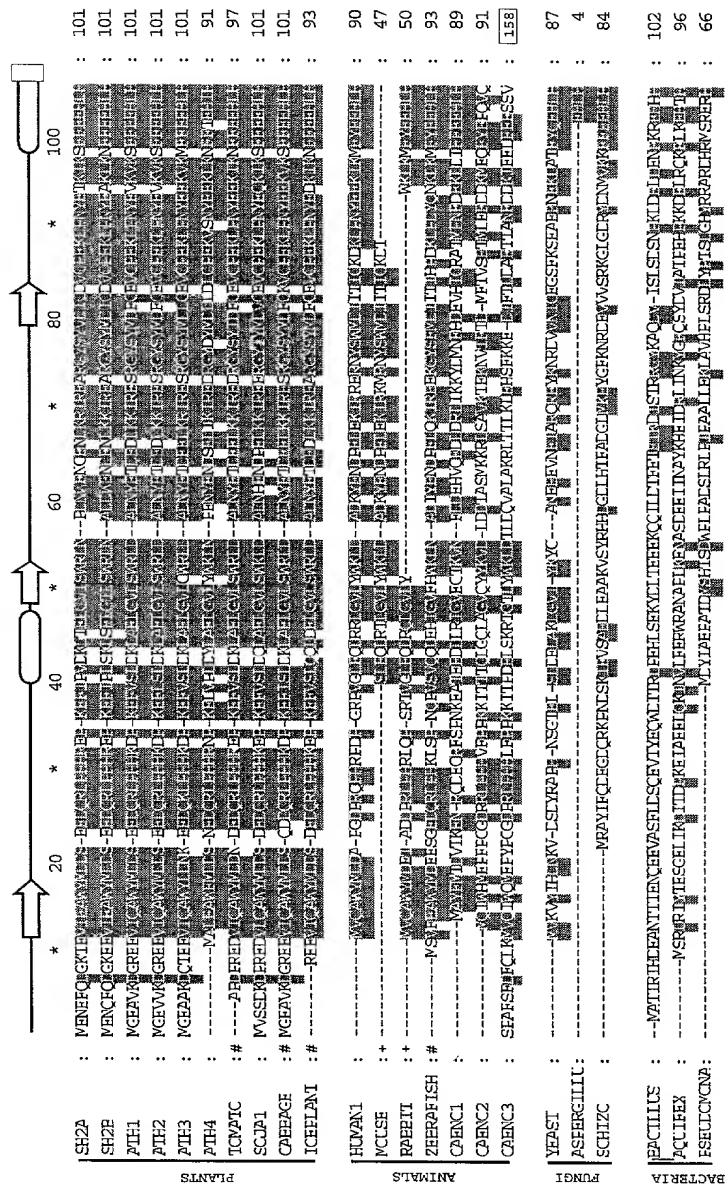


Fig 2 cont'd

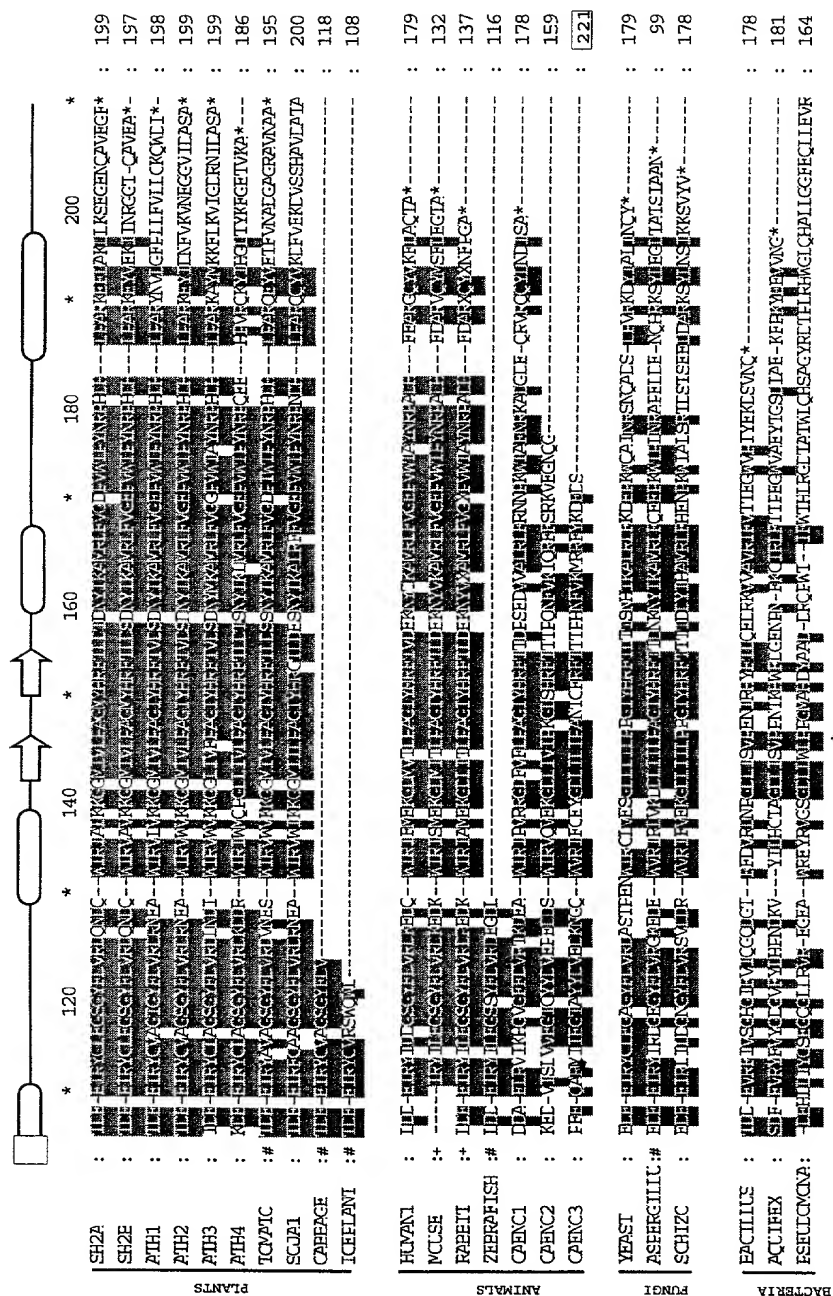


Fig. 3

	SH2A	SH2B	ATH1	ATH2	ATH3	ATH4	HUMAN	CAENO1	CAENO2	CAENO3	SCHIZO	SCEREV	BACSUB	AQUIFEX	PSEUDO
Oryza sativa SH2A		84 (93)	70 (85)	71 (87)	67 (83)	59 (74)	50 (67)	30 (49)	20 (35)	23 (46)	33 (46)	32 (51)	17 (33)	14 (29)	14 (24)
Oryza sativa SH2B	84 (93)		75 (87)	75 (88)	70 (84)	60 (75)	54 (69)	31 (49)	20 (35)	24 (47)	31 (44)	33 (50)	18 (33)	14 (29)	14 (24)
Arabidopsis thaliana 1	70 (85)	75 (87)		92 (95)	80 (88)	57 (73)	56 (69)	32 (52)	20 (36)	26 (47)	33 (45)	35 (51)	18 (34)	14 (30)	14 (26)
Arabidopsis thaliana 2	71 (87)	75 (88)	92 (95)		82 (89)	58 (75)	54 (68)	31 (50)	18 (34)	24 (45)	33 (46)	34 (50)	18 (33)	14 (30)	13 (25)
Arabidopsis thaliana 3	67 (83)	70 (84)	80 (88)	82 (89)		57 (73)	54 (69)	30 (50)	18 (34)	23 (45)	33 (45)	33 (48)	18 (32)	15 (30)	12 (26)
Arabidopsis thaliana 4	59 (74)	60 (75)	57 (73)	58 (75)	57 (73)		54 (70)	34 (53)	23 (46)	24 (41)	27 (41)	39 (56)	19 (32)	18 (30)	12 (24)
Homo sapiens	50 (67)	54 (69)	56 (69)	54 (68)	54 (69)	54 (70)		39 (58)	22 (37)	29 (53)	35 (51)	38 (55)	19 (34)	17 (32)	12 (23)
Caenorhabditis elegans 1	30 (49)	31 (49)	32 (52)	31 (50)	30 (50)	34 (53)	39 (58)		15 (29)	23 (46)	36 (51)	32 (49)	18 (35)	20 (33)	11 (25)
Caenorhabditis elegans 2	20 (35)	20 (35)	20 (36)	18 (34)	18 (34)	23 (46)	22 (37)	15 (29)		33 (48)	15 (29)	15 (31)	10 (23)	9 (20)	5 (12)
Caenorhabditis elegans 3	23 (46)	24 (47)	26 (47)	24 (45)	23 (45)	24 (41)	29 (53)	23 (46)	33 (48)		22 (42)	21 (45)	14 (35)	12 (25)	8 (22)
Schizosaccharomyces pombe	33 (46)	31 (44)	33 (45)	33 (46)	33 (48)	27 (41)	35 (51)	36 (51)	15 (29)	22 (42)		37 (58)	18 (36)	20 (34)	14 (26)
Saccharomyces cerevisiae	32 (51)	33 (50)	35 (51)	34 (50)	34 (50)	39 (56)	38 (55)	32 (49)	15 (31)	21 (45)	37 (58)		16 (33)	17 (30)	15 (24)
Bacillus subtilis	17 (33)	18 (33)	18 (34)	18 (33)	18 (32)	19 (32)	19 (34)	18 (35)	10 (23)	14 (35)	18 (36)	16 (33)		26 (46)	6 (19)
Aquifex aeolicus	14 (29)	14 (29)	14 (30)	14 (30)	15 (30)	18 (30)	17 (32)	20 (33)	9 (20)	12 (25)	20 (34)	17 (30)	26 (46)		7 (19)
Pseudomonas aeruginosa	14 (24)	14 (24)	14 (26)	13 (25)	12 (26)	12 (24)	12 (23)	11 (25)	5 (12)	8 (22)	14 (26)	15 (24)	6 (19)	7 (19)	
	SH2A	SH2B	ATH1	ATH2	ATH3	ATH4	HUMAN	CAENO1	CAENO2	CAENO3	SCHIZO	SCEREV	BACSUB	AQUIFEX	PSEUDO

Fig.4

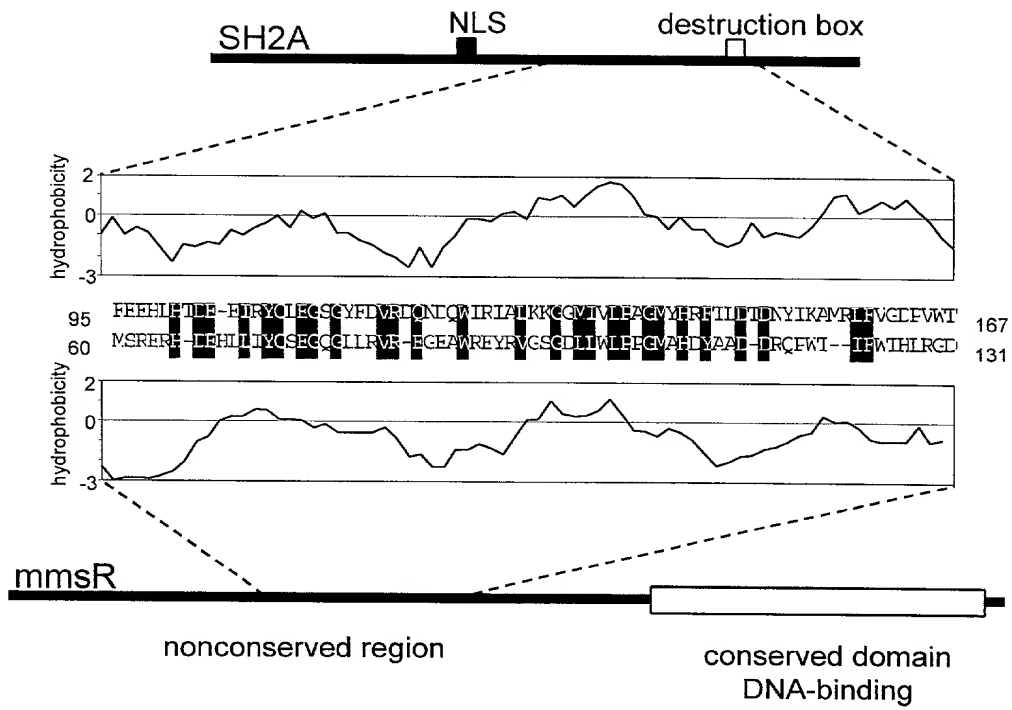
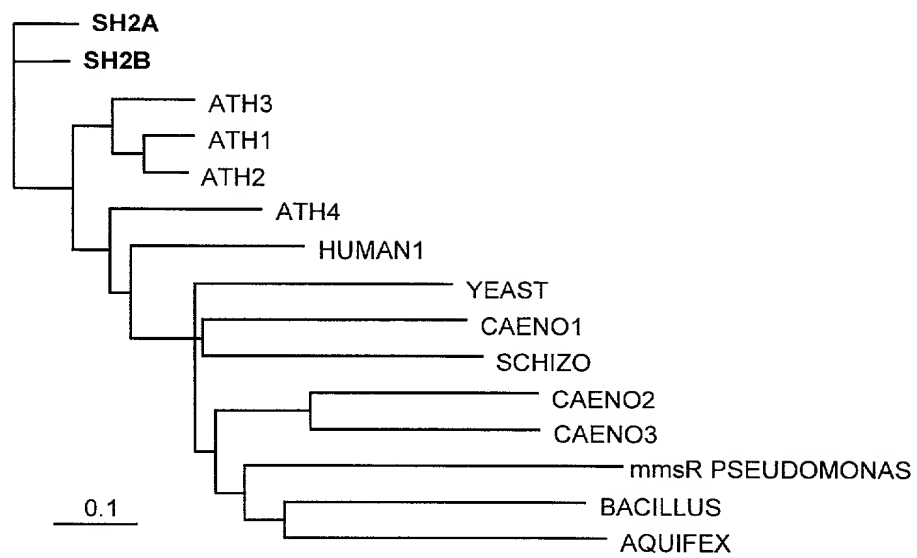


Fig. 5



# Fig. 6

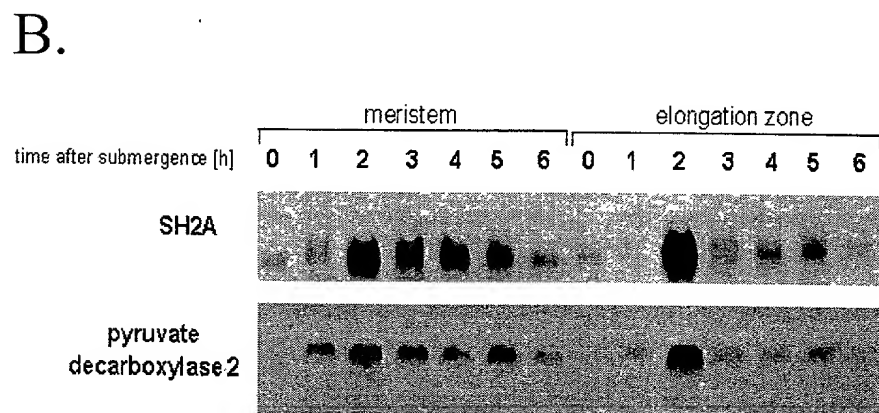
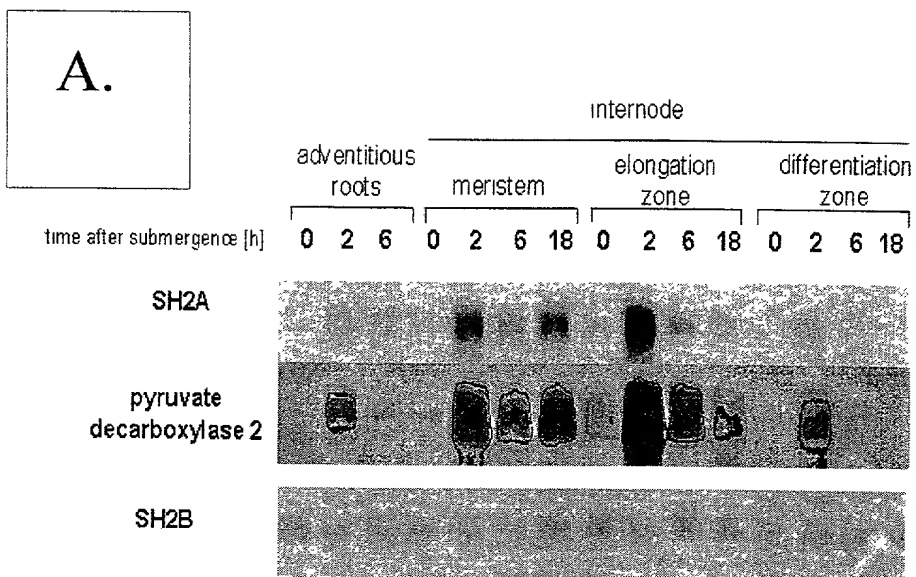




Fig. 7

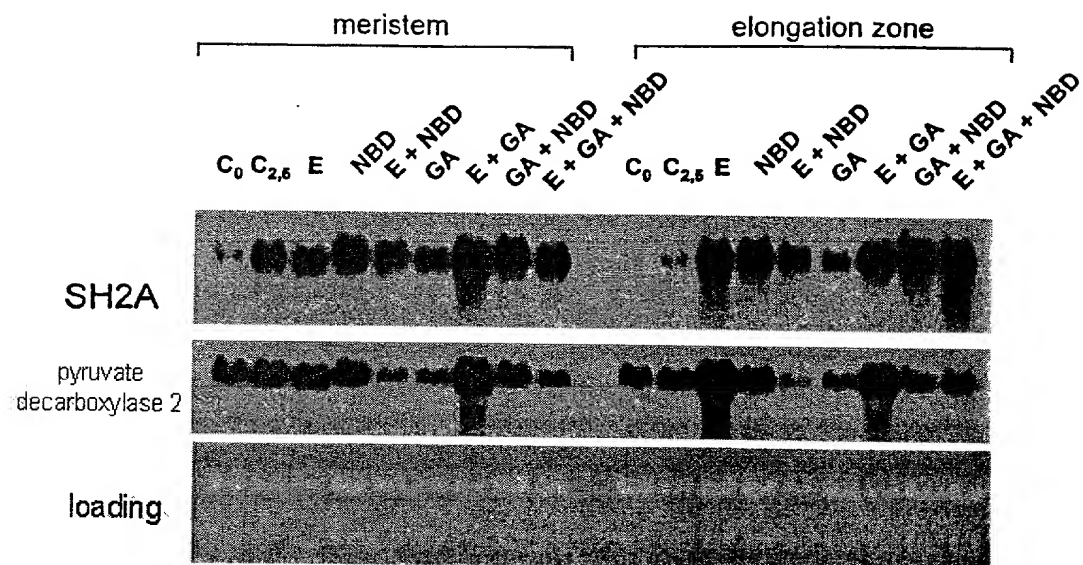
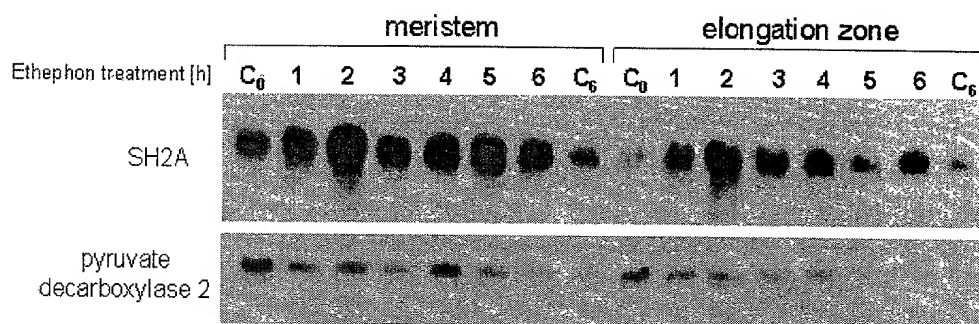


Fig.8

A



B

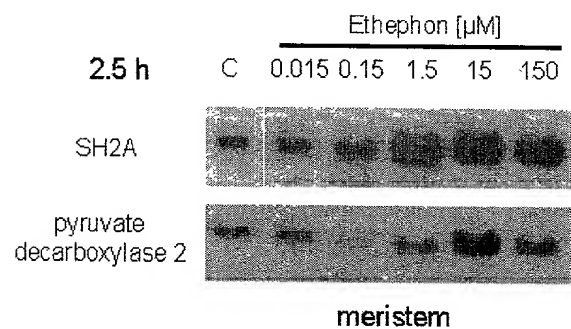
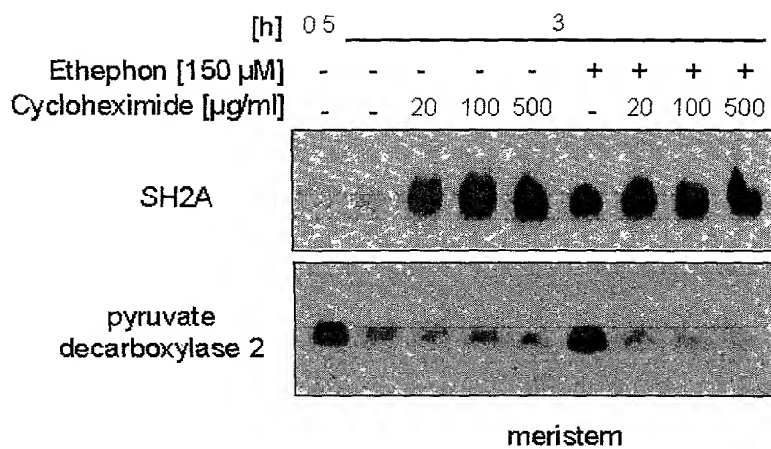
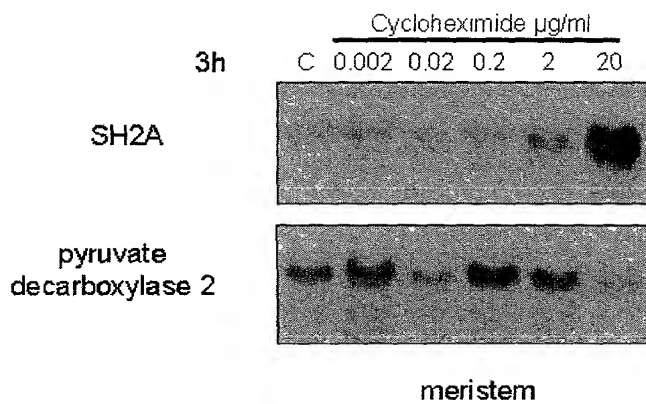


Fig.9

A



B



**Fig. 10**

